

# How To Integrate with Multi-Tech iSMS in Nagios XI 5

## Purpose

This document describes how to integrate the Multi-Tech iSMS GSM modem with Nagios XI. The iSMS provides out-of-band (OOB) SMS notifications for Nagios XI, thereby increasing the reliability and dependability of receiving critical alerts and notifications.

**Note:** If you are using **Nagios XI 2024**, please refer to the [updated document](#).

## Multi-Tech iSMS GSM Modem

More information on Multi-Tech's iSMS products can be found at:

<https://www.multitech.com/brands/multimodem-isms>

The iSMS modem can be purchased at various places online, including:

- CDW (<http://www.cdw.com/>)
- Amazon (<http://www.amazon.com/>)
- Multi-Tech distributors and resellers ([multitech.com](http://multitech.com))

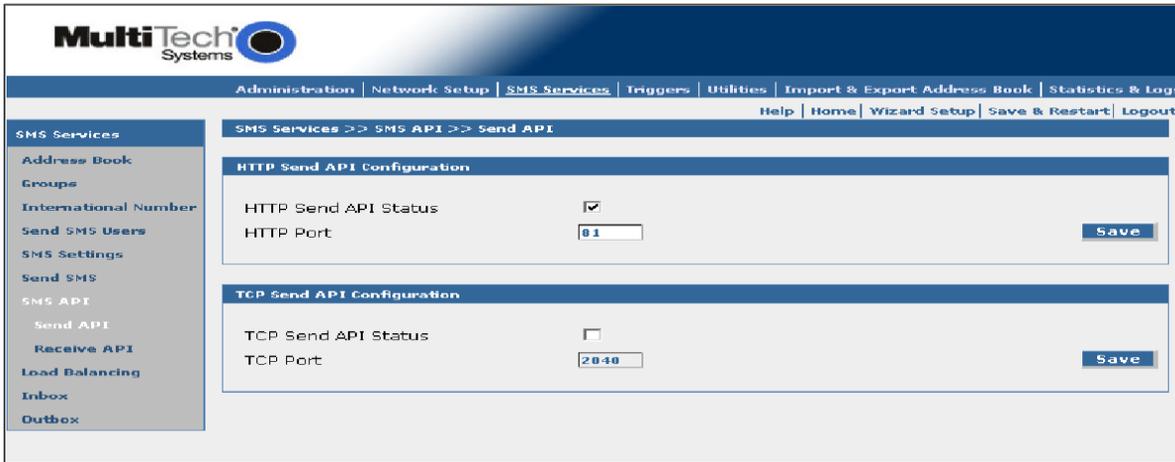
## Configure The iSMS

You must configure the iSMS modem's send and receive APIs to enable Nagios XI integration. The iSMS modem's web configuration interface is used to accomplish the following steps.

To get started, you must enable the iSMS modem's HTTP to send API to send SMS alerts from Nagios XI. To do this, login to the iSMS administration interface and follow these steps:

- Access the **Send API** configuration screen under the **SMS Services > Send API** menu.
- Check the **HTTP Send API Status** checkbox.
- Click **Save**

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## Install The iSMS Component

You must install the Nagios XI iSMS component (if it is not already installed) to enable SMS notification functionality. To do this, first download the component from the following URL and save it to your local computer:

<https://assets.nagios.com/downloads/nagiosxi/components/isms.zip>

Next, login to your Nagios XI server as an administrator and navigate to **Admin > System Extensions > Manage Components**. Upload the component zip file you just downloaded.

<b>Minemap</b> Displays a grid-like view of host and service status. Version: 1.2.1 Author: Nagios Enterprises, LLC	User	-	 	1.2.1
<b>Multi-Tech iSMS Integration</b> Provides integration with the Multi-Tech iSMS. <b>Requires</b> Multi-Tech iSMS modem setup. Version: 1.2.1 Author: Nagios Enterprises, LLC	User			1.2.1

## Configure The iSMS Component

Once the iSMS component has been installed in Nagios XI, click the **settings** icon next to the component.

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## Multi-Tech iSMS Integration



Allows integration between Nagios XI and a Multi-Tech iSMS GSM modem. **Requires** Multi-Tech iSMS modem [setup](#).

### Integration Settings

Enable integration

### Sender Settings

These settings relate to sending SMS alerts from Nagios XI through the iSMS Send API.

**IP Address:**   
The IP address of the iSMS.

**HTTP Port:**   
The HTTP port used to access the iSMS Send API.

**Username:**   
The username used to authenticate to the iSMS.

**Password:**   
The password used to authenticate to the iSMS.

### Test Message

**Phone Number:**   
Enter a mobile phone number to send a test SMS message to. This is used for testing the Nagios X

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On the component settings page, make sure to set the following options:

- Check the **Enable Integration** option.
- Supply the **IP Address** of the **iSMS modem**.
- Ensure the **HTTP Port** matches the **iSMS modem configuration** (default port = 81)
- Supply the **Username** and **Password** to authenticate to the iSMS modem.
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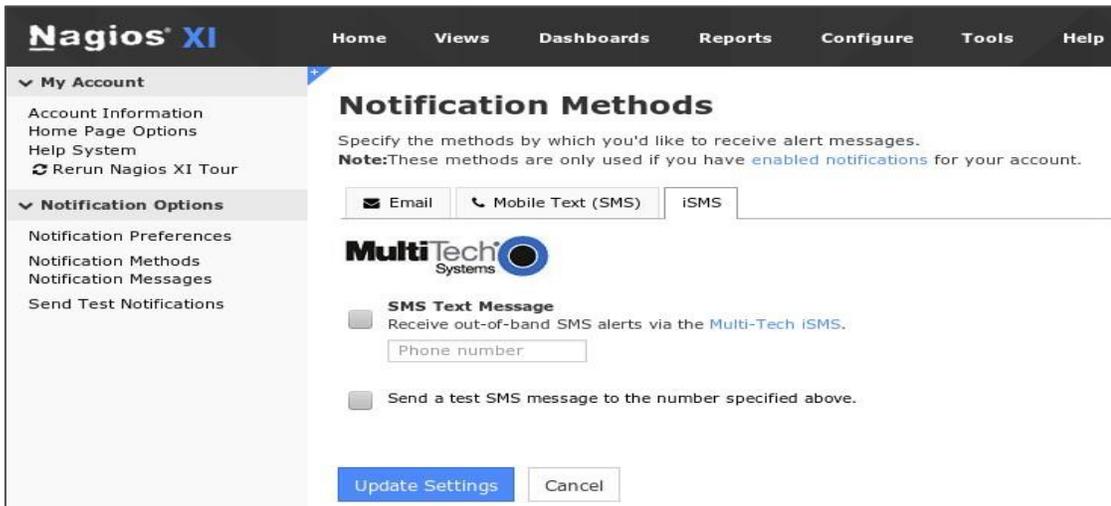
Click the **Apply Settings** button to save your settings.

The iSMS component is now available for use by users. Each user that wants to receive SMS alerts must now enable them, as outlined in the steps on the following page.

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## Enabling SMS Alerts For Users

Each user that wants to receive SMS alerts must enable them in their account settings. To do this, select the **Notification Methods** link in your account settings and click on the **iSMS** tab.



The screenshot shows the Nagios XI user interface. The top navigation bar includes links for Home, Views, Dashboards, Reports, Configure, Tools, and Help. On the left, a sidebar menu is expanded to 'Notification Options', with 'Notification Methods' selected. The main content area is titled 'Notification Methods' and contains the following elements:

- A sub-header: 'Specify the methods by which you'd like to receive alert messages. **Note:** These methods are only used if you have [enabled notifications](#) for your account.'
- Three tabs: 'Email', 'Mobile Text (SMS)', and 'iSMS'. The 'iSMS' tab is currently selected.
- The 'MultiTech Systems' logo.
- A checkbox labeled 'SMS Text Message' with the text 'Receive out-of-band SMS alerts via the [Multi-Tech iSMS](#).' Below this is a text input field for 'Phone number'.
- A second checkbox with the text 'Send a test SMS message to the number specified above.'
- At the bottom, there are two buttons: 'Update Settings' (highlighted in blue) and 'Cancel'.

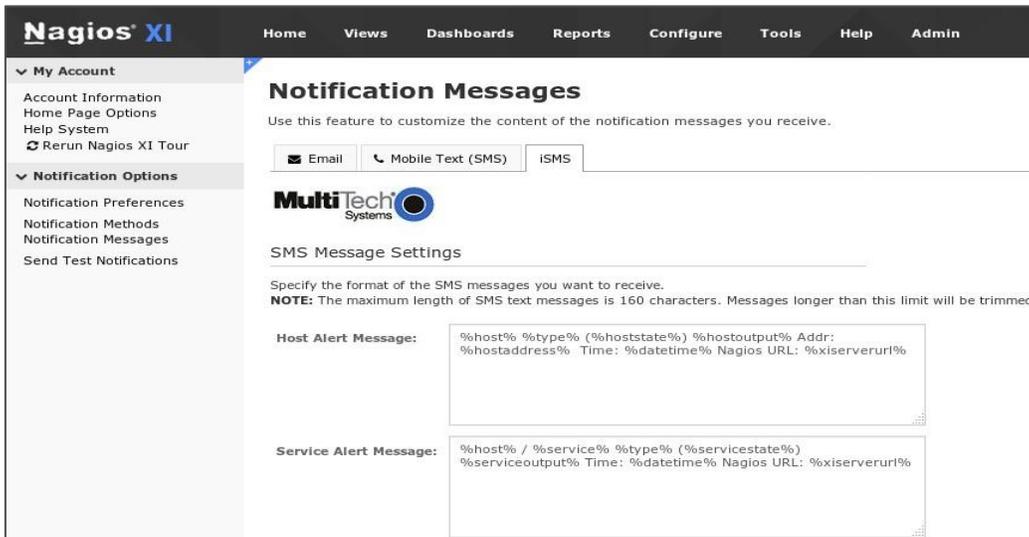
Check the **SMS Text Message** checkbox and enter your cellphone or mobile phone number.

Click the **Update Settings** buttons to enable SMS alerts.

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## Customizing SMS Alert Messages

Each user that receives SMS alerts can choose how the messages should be formatted, and what information they should contain. Click the **Notification Messages** link in your account settings and click the **iSMS** tab.



The screenshot shows the Nagios XI web interface. The top navigation bar includes Home, Views, Dashboards, Reports, Configure, Tools, Help, and Admin. The left sidebar has a 'My Account' section with links for Account Information, Home Page Options, Help System, and Rerun Nagios XI Tour. Below that is the 'Notification Options' section with links for Notification Preferences, Notification Methods, Notification Messages, and Send Test Notifications. The main content area is titled 'Notification Messages' and contains a sub-header 'Use this feature to customize the content of the notification messages you receive.' There are three tabs: Email, Mobile Text (SMS), and iSMS. The iSMS tab is selected. Below the tabs is the MultiTech Systems logo. The section is titled 'SMS Message Settings' and includes a note: 'Specify the format of the SMS messages you want to receive. NOTE: The maximum length of SMS text messages is 160 characters. Messages longer than this limit will be trimmed.' There are two text input fields: 'Host Alert Message:' and 'Service Alert Message:'. The Host Alert Message field contains the text: '%host% %type% (%hoststate%) %hostoutput% Addr: %hostaddress% Time: %datetime% Nagios URL: %xiserverurl%'. The Service Alert Message field contains the text: '%host% / %service% %type% (%servicestate%) %serviceoutput% Time: %datetime% Nagios URL: %xiserverurl%'.

Users can customize message formats for both host and service alert messages they receive.

Messages can contain macros that are substituted with real data when Nagios XI sends an alert. For more information on notification macros please refer to the following documentation:

[Understanding Nagios XI Notification Variables.](#)

## Finishing Up

This completes the documentation on how to integrate the Multi-Tech iSMS GSM modem with Nagios XI. If you have additional questions or other support-related questions, please visit us at our Nagios Support Forum, Nagios Knowledge Base, or Nagios Library:

[Visit Nagios Support Forum](#)

[Visit Nagios Knowledge Base](#)

[Visit Nagios Library](#)